

Assessment Report

**Work Completed August 1st - 4th, 2018:
Prospecting, Sampling, and Geochemical Analysis.
Performed on Claims: JA68 (YE78898)
JA73 (YE78317), JA81 (YE78298)**

**Quartz Claims Grouping JA1 – 81
HD03549**

JA 1 - 40 : YF04541 - YF04580

JA 41 - 70 : YE78871 – YE78900

JA 71 – 73 : YE78315 - YE78317

JA 74 – 81 : YE78291 - YE78298

**Dawson City
Clinton Creek Area, Map# 116C 07**

**UTM to Access:
07 V 0516266 / 7144665
Report Written By: Erini Petroutsas**

Claims Ownership: 100% owned by Donald Ruman

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Purpose and Targets

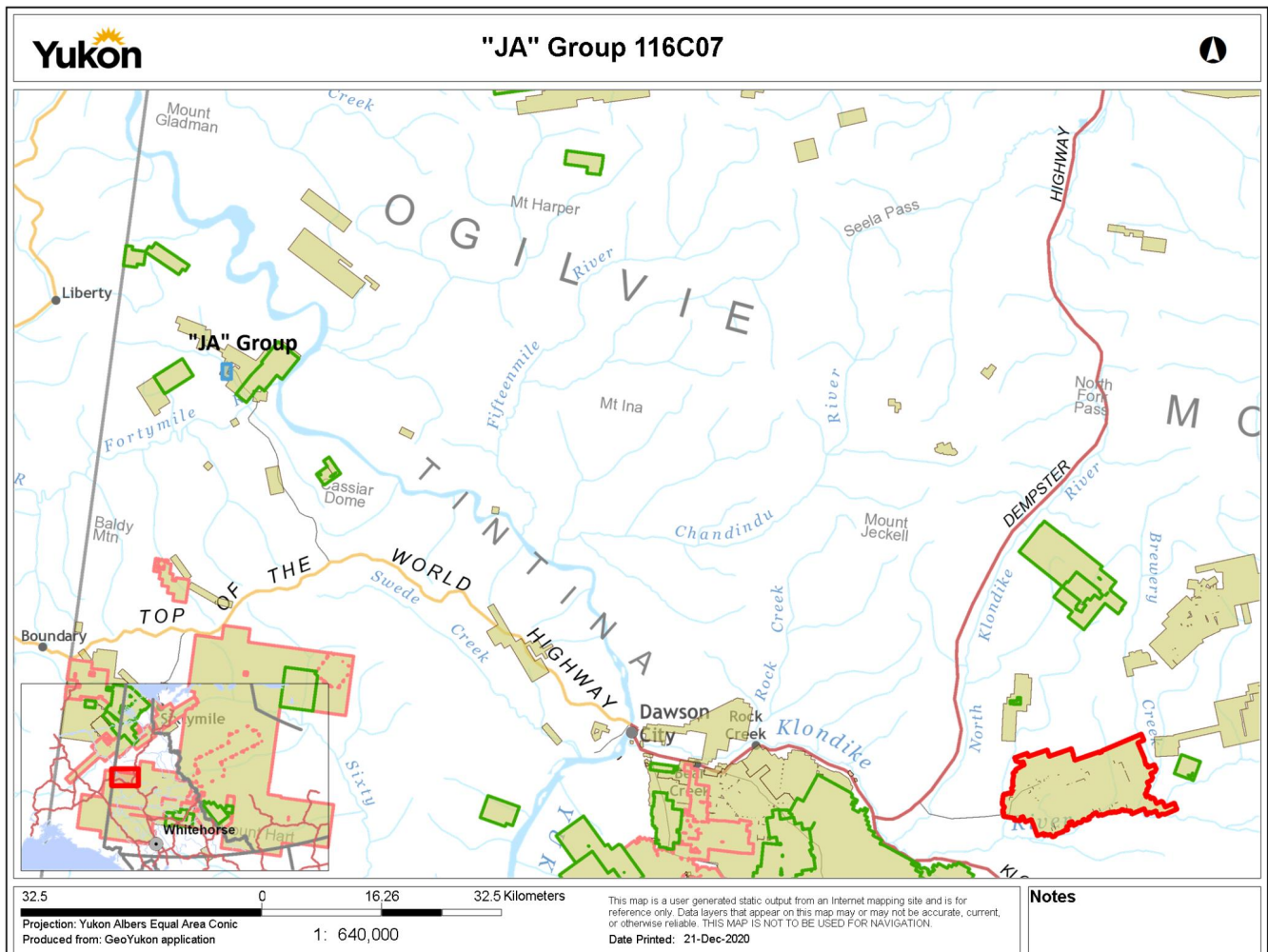
To locate, identify and map serpentine and ultramafic bodies reported by Green & Roddick (1961). Assaying exposures of altered ultramafic, quartz or faulted rock; testing for gold-silver and copper as well as rare earth mineral potential. On-going prospect for jade and identifiable nephrite outcroppings.

Location, Access, Vegetation and Work Performed Description

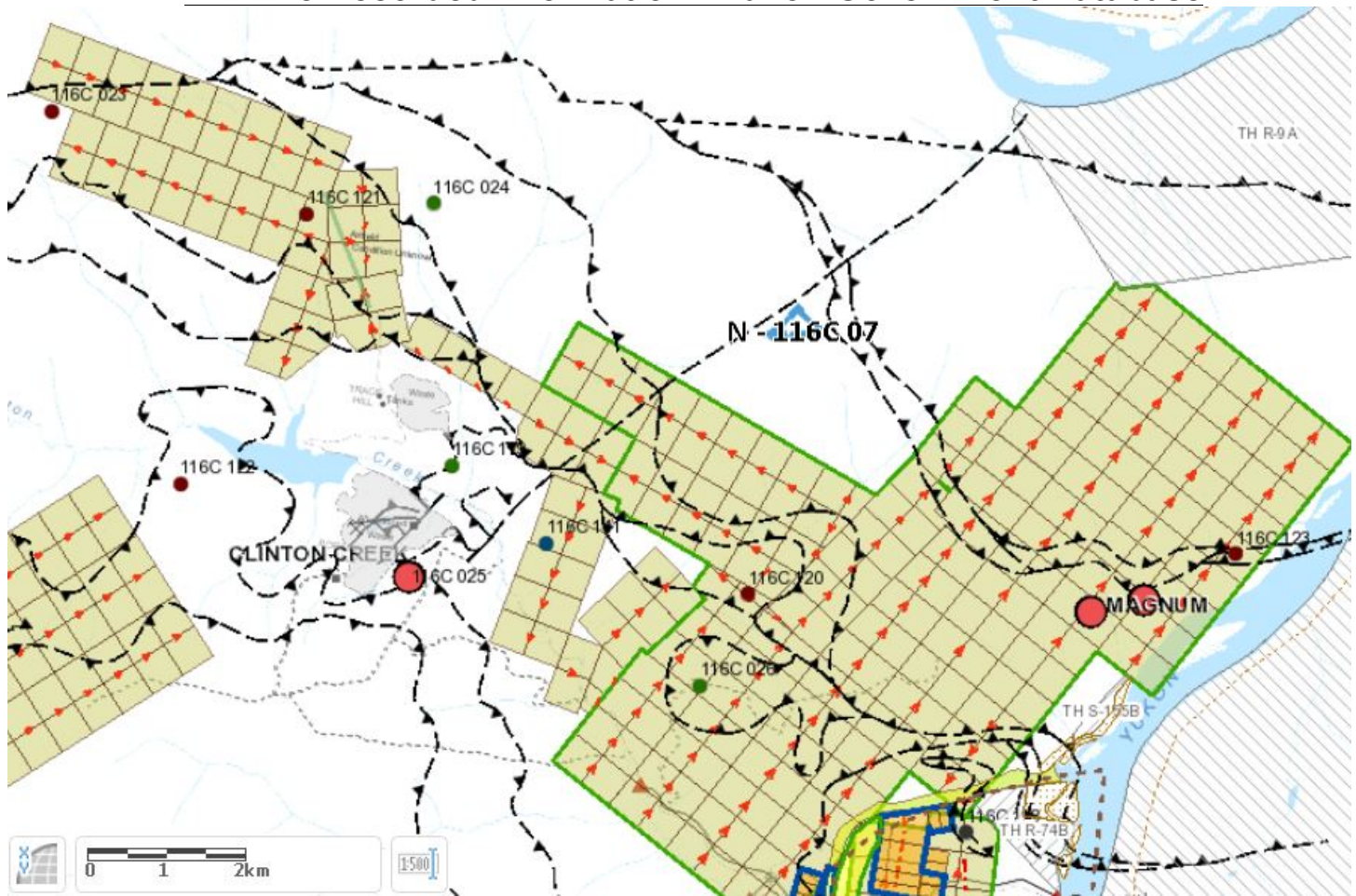
Claims accessed by travelling along all seasons road to shuttered Clinton Creek asbestos mine. Helicopter or small plane can be used to access upper claims, landing on a still functional airstrip. Vegetation consists of shrub and moss, patches of spruce forest exist on steep slopes throughout the grouping. The "old airstrip" lies over flat and easily traversable plateau that continues over the north-east side of claims block and to old access roads. Steep inclines to west creek - "China Creek", and its headwater, remain a target for jade.

In 2018 work focused on the south-east of the property block. Steep inclines of faulted ranges of ultramafic, fault altered schist and or quartz and massive carbonates run perpendicular to the access road on the south-east side of the claims group, through small tributaries from north-west trending fault zones, that during 2017 were the focus of gold-silver and rare earth mineral assay testing. Using the pre-existing access, testing continued 2018, to observe and prospect exposed bedrock outcroppings for in depth analysis and assay testing.

MAP# 116C 07 ~ "JA Grouping" sits between 40 mile on the Yukon River (abandoned gold rush town), and Clinton Creek (abandoned asbestos mine). Target area is roughly 80km NW of Dawson City. Road access from Top of the World Highway and the Clinton Creek Road, continues into the group.



Min-File Recorded Information - Yukon Government Database



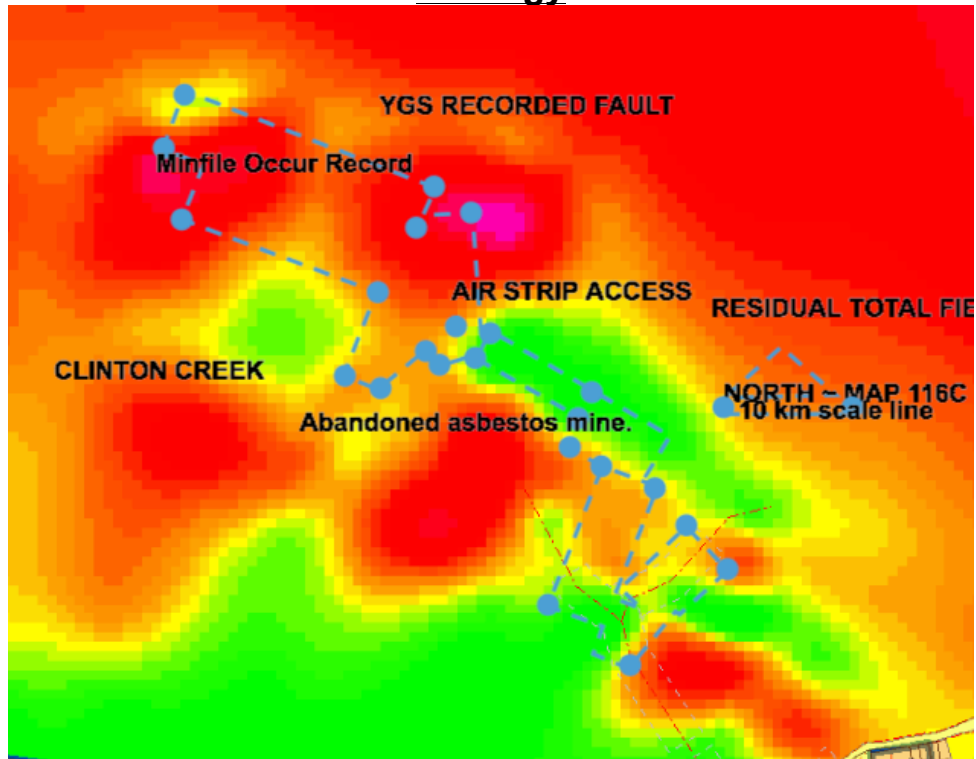
116C 141: Occurrence Mag Anomaly “Cripple”. Asbestos target during 1959 of Cassiar Asbestos Corp., who completed trenching and mag surveys. Cominco performed mapping and sampling 1981-82. *Ultramafic talus exposure. Highly sheared serpentinite; with occasional chrysotile veinlets (up to 5mm, less than 2% grade). Ultramafics are enclosed within Nassina Series schists. Large outcrops of “greenstone” were recorded at the time with names such as ‘Archeron’ over a roughly 5km long area on the north-east side of Clinton Creek. **Claim JA64~YE78894**

116C 121: Showing Mag Anomaly “Foxy”. Asbestos Corp. 1962 target. A chrysotile showing in trenches along the brow of the hill. West and east of the roughly 5km long showing, ultramafic caps, slices or bodies were exposed to be the cause of magnetic anomaly results. Grade of asbestos found to be unviable at roughly 2%. *General bedrock described as black and massive to highly sheared Serpentinite within the Nassina Series, and Fault Altered Schists. **Claim JA8 ~YF04548**

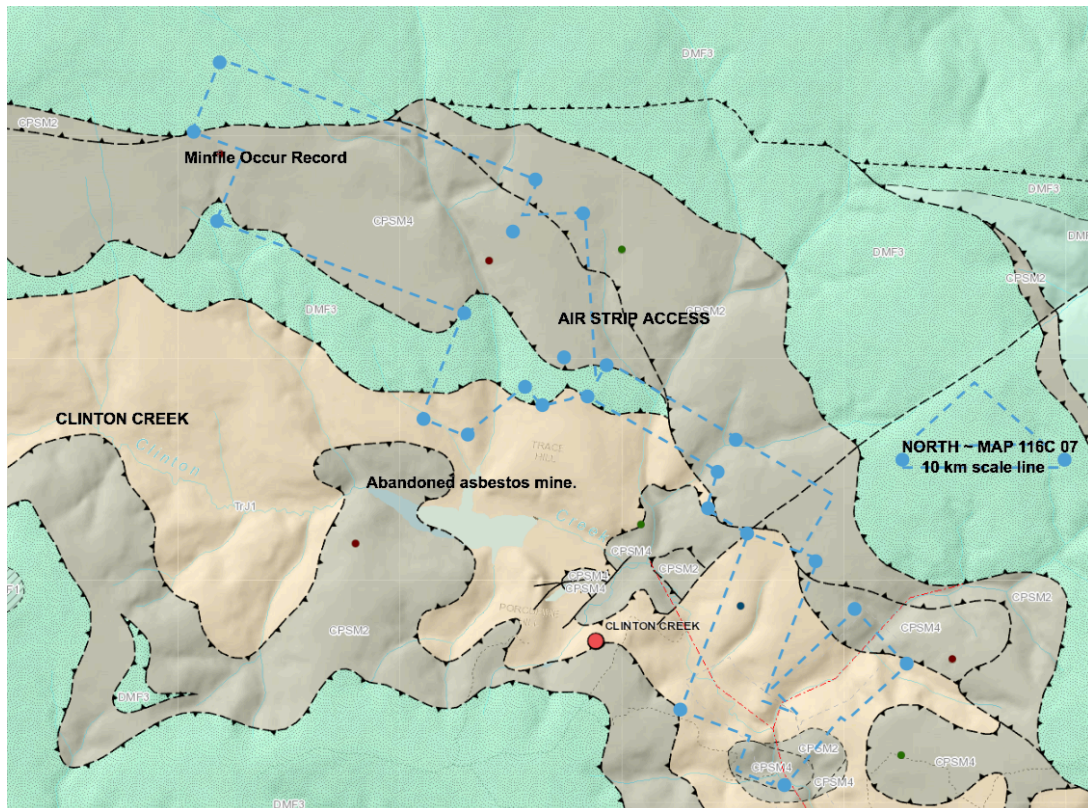
116C 023: Off claims on north-west. *Ultramafic outcrops with aeromagnetic anomalies along the ridge. Massive dark to medium green Serpentinite; underlain by Quartzite, Nassina Schists. Asbestos grades were less than 2%.

116C 024: Off claims on north-east. *Ultramafic body, approx. 150m thick, enclosed in Graphite Schist (nassina). Serpentine and Peridotite, Chrysotile veinlets (less than 2%). Strongly Sheared Serpentinite showed up throughout the roughly 5km range in trenching and drill core testing done by Asbestos Corp. in 1957.

Geology



Residual Total Field: (pink) highest magnetics at 500 nT; (red) 400 nT; (orange-yellow) 200 nT; (green) lowest magnetic reading of area at -50 nT.



CPSM4 Grey: Slide Mountain~ Oceanic assemblage of basalt, serpentine, gabbro & metavolcanic rocks, weakly deformed and metamorphosed.

DMF3 Green: Devonian to Mississippian~ Dark-grey to black carbonaceous meta-sedimentary rocks.

TrJ1 Pink: Upper Triassic~ Weathering calcareous siltstone, shale and fine sandstone.

Prospecting History

“Clinton Creek” was an asbestos mine, operated by Cassiar Asbestos Corporation Ltd. between 1967 and 1978. In subsequent numerous environmental assessment reports for reclamation; repeated high soil sample assay results have been indicating anomalous (above guidelines for residential or parkland use) amounts of : barium, chromium, nickel and arsenic in soils and sediments of the area. A probable result of ultramafic decomposition;

“The alkalinity of the surrounding carbonate-ultramafic general bedrock/decomposing soil, likely keeps the metals assayed out of solution and prevents their movement into surrounding waters.” (Detailed soil and water tests seen in 99 Royal Roads Study ~ EMR Library 116C 07, Call # c1999_04, 1999, Royal Roads University, “Environmental Review of the Clinton Creek Abandoned Asbestos Mine, Yukon Canada.” Indian & Northern Affairs.)

As can be seen from satellite map and by in-field prospecting; Segments of mafic & ultramafic carbonates lie between thrust faults. Visible asbestos-actinolite sheeting in large wide veins, are still exposed and observed at the reclaimed (1979 to current) mine-site.

(Conwest Exploration Company Limited Call # 092060).

Minimal to no asbestos has been identified yet (by prospectors), beyond the borders of the abandoned Clinton Creek Mine, where the “JA” claims are located. However regionally metamorphosed actinolite and magnesium rich mafics comprising various “greenstone country rock” surround the shuttered asbestos mine

North-West & Horizontal trending faults of “graphite-altered” pyroxene, serpentine, quartz and ultramafic were assay sampled for rare-earth content and gold potential. Green & black “jade-like” samples were taken to a jade mining specialist to test and identify for Nephrite and Amphibole. Jade exploration (ongoing since 2014 by claims owner) has identified favorable nephrite specimens out of outcrop, and nephrite/jade is an ongoing exploration target, specifically on the north-west section of the claims grouping.

During 2016, prospect sampling of exposed bedrock lithology on the “JA Project”, specifically black schist/ fault-altered bedrock on the north-west of the group; resulted in assay results of copper, cobalt and lithium, as well as rare earth elements. In all three samples assayed: **Copper** was high (**43.7 – 52.8 ppm**), as was **Cobalt** (**13 – 20 ppm**), **Uranium** (**2.8 – 3.2 ppm**), **Strontium** (**84 – 111 ppm**), **Lanthanum** (**25.2 – 51.1 ppm**), **Chromium** (**59 - 78 ppm**), **Lithium** (**67.7 – 99.6ppm**) and **Rubidium** (**115.9 – 179.9 ppm**).

2017 exploration focused on pre-existing bedrock exposures along the access road to Clinton Creek mine-site. Quartz (veins or lenses) as well as fault altered mafics and or ultramafics were targeted for chip sampling (1m radius) and assay analysis. **All 6 samples 2017** assayed significant amounts of: **Copper, Silver, Nickel, Cobalt, Zinc, Manganese, Magnesium, Arsenic, Strontium, Stibnite, Vanadium, Calcite, Chromium, Barium, Scandium, Cesium, Cerium, Zirconium, Yttrium, and Lithium. From 2017 Assessment Report:**

Sample #'s 1901252 and 55 were the only samples to assay trace gold (1.4 and 1.5ppb).

Sample #'s 1901252, 54 and 55 assayed also trace Platinum at 3ppb, 4ppb and 2ppb.

Sample #'s 1901251 and 54 contained trace silver results of 117 and 140 ppb.

Assay Results – Prospect Sampling 2017
 1:1:1 Aqua Regia Digestion Ultratrace and ICP-MS analysis.
 Bureau Veritas Commodities Canada Ltd.

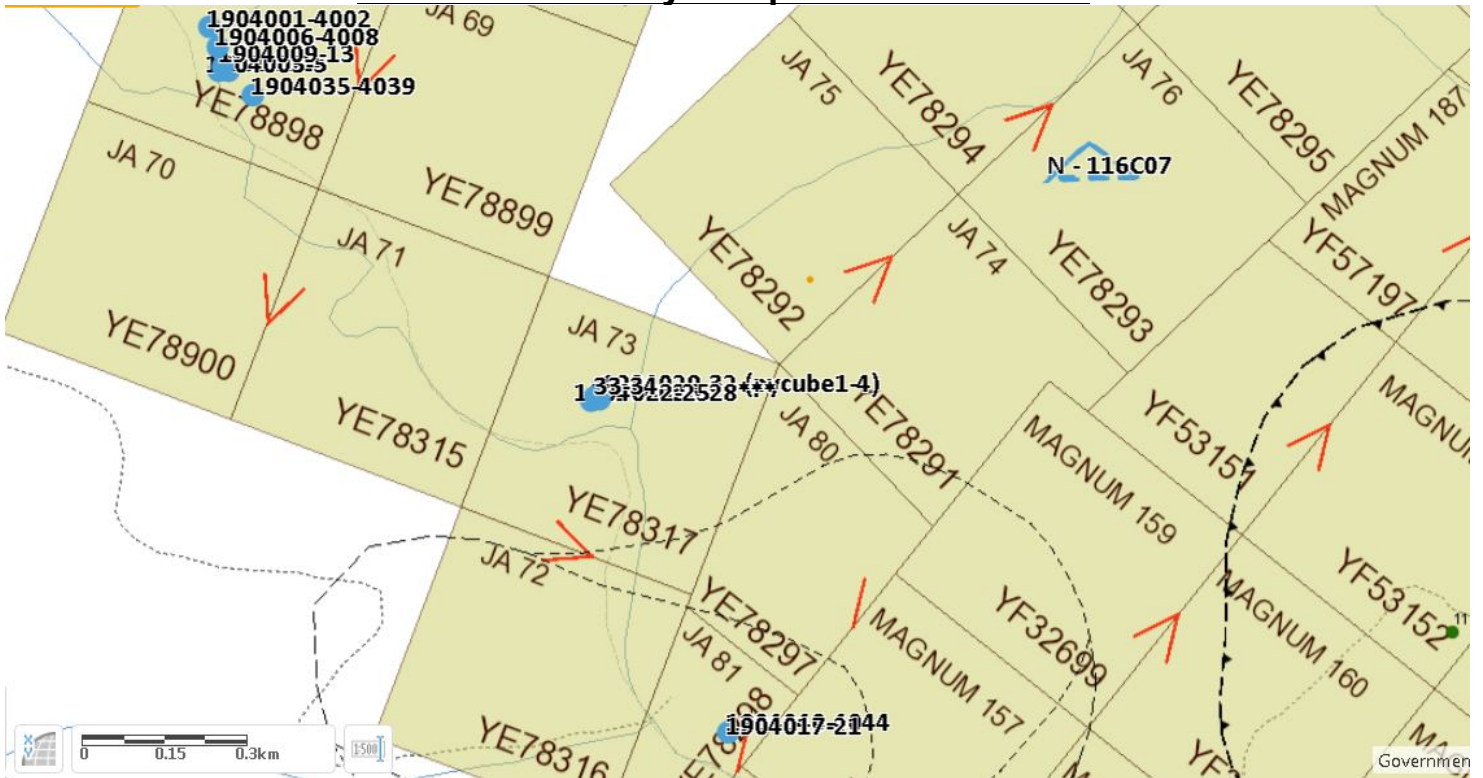
Bureau Veritas Commodities Canada Ltd.		Final Report																			
Client:		Ruman																			
Job Number:		WHI19000767																			
Number of Sample:		6																			
Project:		JA Clinton																			
Test	Sample#	Method	WGHT	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252		
		Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr				
		Unit	KG	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPM	%	PPM	PPM	PPB	PPM	PPM				
		MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5				
T13	1901251	Rock	1.12	0.19	42.34	0.83	29.9	117	99	15.7	1617	2.71	27	<0.1	<0.2	0.4	140.1				
T17	1901252	Rock	1.11	0.19	1.8	0.44	24.5	8	617.5	35.3	932	2.6	71.7	0.1	1.4	0.1	111.5				
T18	1901253	Rock	0.8	0.15	2.96	0.63	18.1	11	1416.6	69.9	1467	4.15	65.9	0.8	<0.2	<0.1	197.8				
T21	1901254	Rock	0.81	0.08	38.56	0.09	14.6	140	986.8	63.7	772	4.68	59.2	0.5	0.6	<0.1	25.5				
T23	1901255	Rock	0.55	0.53	2.86	3.12	26.1	11	1976.7	76.2	822	5.33	2	0.7	1.5	<0.1	526				
T24	1901256	Rock	1.61	0.05	8.48	0.51	24.2	38	2260.5	104.4	899	5.56	1	0.2	<0.2	<0.1	108.6				
Test	Sample #	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252		
Trench		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl		
Name		PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM		
		0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02		
T13	1901251	0.05	9.15	<0.02	36	4.87	0.01	1	34.2	3.61	48.4	0.002	<1	0.14	0.002	<0.01	0.1	6.4	<0.02		
T17	1901252	0.02	2.98	<0.02	9	1.41	<0.001	<0.5	257.2	11.59	50	<0.001	2	0.08	0.001	0.02	0.6	3.9	0.02		
T18	1901253	<0.01	1.75	<0.02	11	4.71	<0.001	<0.5	578.2	14.08	97.1	<0.001	<1	0.11	0.003	<0.01	0.2	5.4	<0.02		
T21	1901254	<0.01	1.31	<0.02	27	0.5	<0.001	<0.5	1007.4	15.12	22.3	<0.001	<1	0.58	<0.001	<0.01	<0.1	7.6	<0.02		
T23	1901255	<0.01	1.86	<0.02	22	12.07	<0.001	<0.5	355.8	14.38	125.4	0.002	<1	0.24	0.002	<0.01	1.4	6.9	0.08		
T24	1901256	<0.01	0.95	<0.02	11	2.42	<0.001	<0.5	229.2	17.86	294.7	0.001	<1	0.21	0.002	<0.01	0.7	3.4	<0.02		
Sample #	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252		
	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	%	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPB	PPB
	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1901251	0.02	12	0.6	<0.02	0.8	0.41	<0.1	<0.02	<0.02	0.3	0.1	<0.05	1	2.03	3.3	0.03	<1	0.2	1.4	<10	<2
1901252	<0.02	<5	1.1	0.02	0.5	3.27	<0.1	<0.02	<0.02	1.6	<0.1	<0.05	1.3	1.06	0.6	<0.02	<1	0.1	1.6	<10	3
1901253	<0.02	19	0.7	0.03	0.6	7.6	<0.1	0.03	<0.02	1.7	<0.1	<0.05	2.2	1.37	1.1	<0.02	<1	0.3	1.2	<10	<2
1901254	<0.02	6	<0.1	<0.02	1.2	1	0.2	<0.02	<0.02	0.3	<0.1	<0.05	1	1.5	0.3	<0.02	<1	<0.1	3.3	<10	4
1901255	<0.02	80	1	0.05	0.5	19.12	0.2	0.16	<0.02	6.3	<0.1	<0.05	10	2.33	0.9	<0.02	<1	0.4	2.6	<10	2
1901256	<0.02	21	0.2	<0.02	0.5	21.4	0.1	0.02	<0.02	6.4	<0.1	<0.05	4.2	3.48	0.7	<0.02	<1	0.4	3.7	<10	<2

General Sample Type Picture from 2017 Prospecting Assays.



2017 Prospect Sampling focused on regionally altered greenstone and mafics on the south-east section of the claims group. Assayed samples selected as chip over 1m, from bedrock exposures.

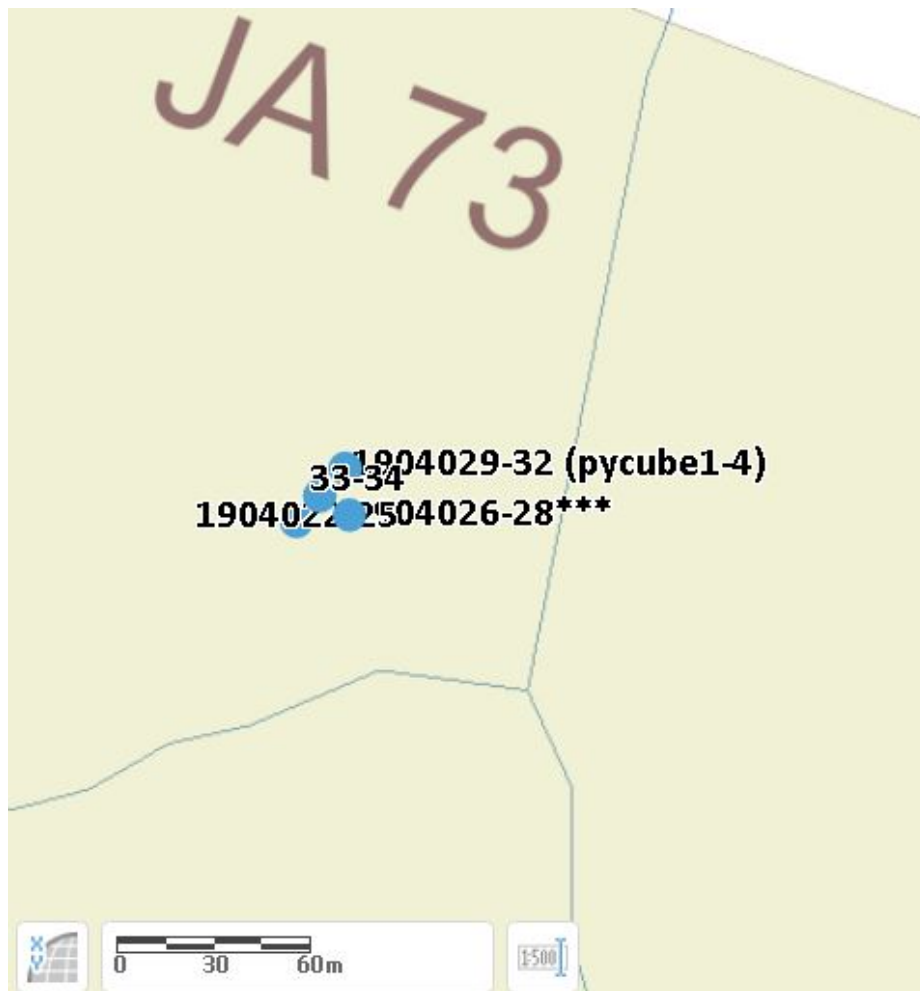
Overview of assay sample locations 2018



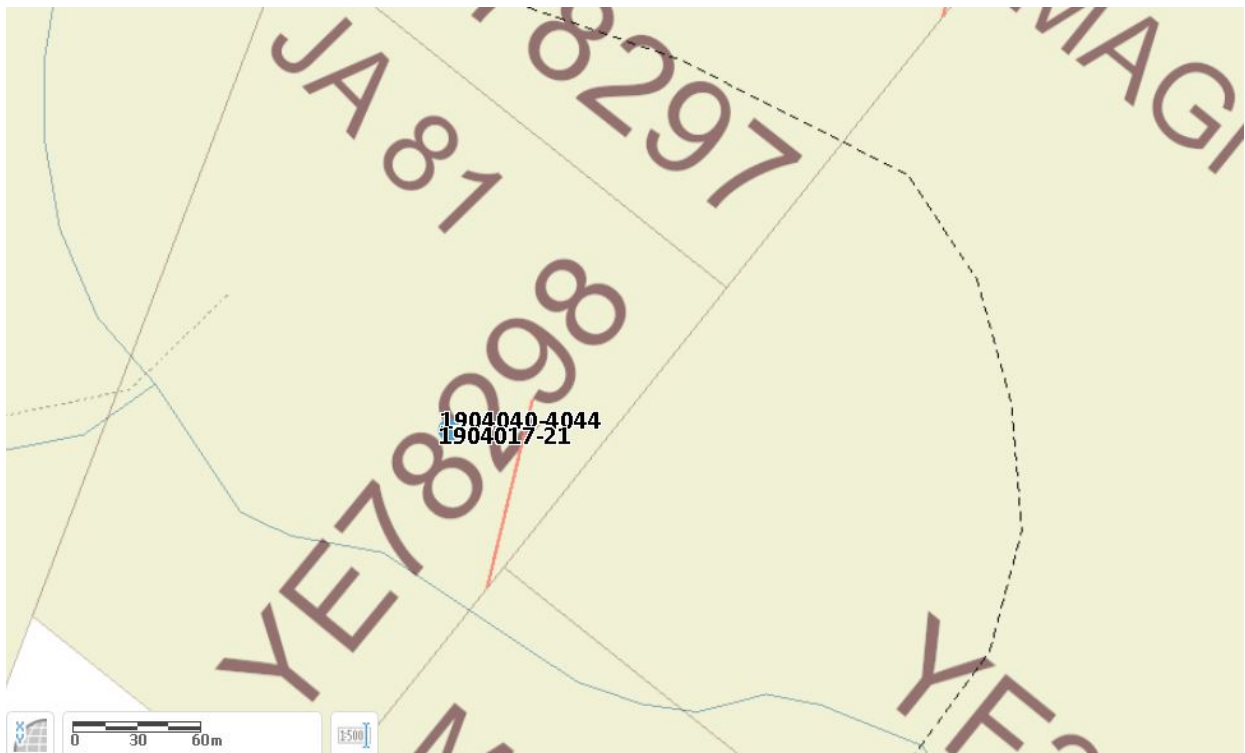
Assay Sample Locations 2018



Detailed re-examination of outcrop lithology on claim JA68. Previous exploration and road construction work along the old Clinton Creek Mine Access Road has created abundant exposure.



Unmapped fault exposure on claim JA73. 'Fault altered bedrock' containing quartz veining as well as iron-sulfide cubes and veinlets.



"LQ" Field Target 2018: Mafic-ultramafic outcrop with zones of talc coated 'listwanite'. Quartz-carbonate veining containing crystallized pockets.

UTM/WGS84 Nad83 Zone7N				Sample Descriptions and UTM Locations for JA Group, Clinton Creek 2018, Map 116C07
Easting	Northing	FieldID	Assay ID	All samples taken as chips, from within a 1m square (maximum) exposure, of outcropping bedrock lithology.
515116	7145906	QV1A	1904001	Heavy white-grey banded quartz vein 12x10cm. Fissures & crosscutting veinlets containing brown & orange oxidations.
		QV1B	1904002	Heavy white-grey banded quartz vein 12x10cm. Fissures & crosscutting veinlets containing brown & orange oxidations.
515144	7145828	Q2a	1904003	Quartzite(?) vein. Clear-grey-white silicious very hard 8cm x 12cm vein through country rock (altered mafics). Brown oxidations and crystalization visible.
		Q2b	1904004	Quartzite(?) vein. Clear-grey-white silicious very hard 8cm x 12cm vein through country rock (altered mafics). Brown oxidations and crystalization visible.
		Q2c	1904005	Quartzite(?) vein. Clear-grey-white silicious very hard 8cm x 12cm vein through country rock (altered mafics). Brown oxidations and crystalization visible.
515135	7145873	QV2a	1904006	Conglomerate of quartz within brown oxidizing 'carbonate' (altered mafic) country rock.
		QV2b	1904007	Folliating quartz (or carbonate) through clear-grey quartz vein encased in black shale. Brown-orange oxidations over approximately 75% of shale/black schist.
		QV2c	1904008	Heavy clear-white quartz vein 8x6cm, orange oxidations throughout. Running through black schist contact.
515151	7145837	Q3a	1904009	Orange oxidizing, highly altered quartz-carbonate lenses 20cm wide (approx.average) strike through black shale-schist.
		Q3b	1904010	Quartz-carbonate-black shale 'conglomerate' section over 1m through black schist-shale.
		Q3c	1904011	Morphed 'blackstone' (fault altered ultramafic?) containing a 2cm wide white bull quartz. Brown-orange and white oxidations through approx.70% of the fissured vein.
		Q3d	1904012	8x5cm wide heavy white-grey, banded and fissured quartz vein, within altered black shale/graphite.
		Q3e	1904013	Quartz with crosscutting veinlets of flourite(?). Orange oxidations throughout approx. 50% of the clear-white quartz.
515162	7145830	Q4	1904014	12x12cm vein of Quartz-Carbonate oxidizing brown and white through approx. 60% contacting with black shale.
516244	7144743	Q5a	1904017	Quartz veinlets up to 6cm wide with crystallized pockets throughout. Orange & brown oxidations approx. 60%. Crosscutting black shale & black (siltstone like - altered ultramafic?)
		Q5b	1904018	Blackstone/Nassina, fissured with folliating white-clear quartz veinlets oxidizing brown-orange-yellow throughout 80% of quartz. Contact with muscovite-black schist.
		Q5c	1904019	Fissured grey-white carbonate(?) rock, crosscut by brown-orange oxidizing quartz veinlets up to 4cm thick. Contact with black shale-schist.
		Q5d	1904020	Same as Q5c. 4cm wide white-clear quartz vein approx. 40% pocketed with oxidizing sulfides (brown, orange, yellow, white oxidations). Small visible specs of sulfide remnants visible.
		Q5e	1904021	Same vein as Q5c bulges to 5cm and folliates. Orange-white oxidations cover approx. 50%. Surrounding black shale-graphite studded with iron cubelets and visible veinlets of black (mn,mg?).
515911	7145317	pyqzcal	1904022	6cm wide calcite-talc 'intrusion' through silty fine-grained graphite. Encased within 1-2cm wide clear grey quartz at both contacts with altered black shale. No visible sulfides seen.
		pyqzpy1	1904023	Black shale-schist studded or embedded with (approx 70%) small 'sulfide' squares enclosed in white-clear quartz (1-2mm wide).
		pyqzpy2	1904024	White-clear sugary quartz, hydrothermally pocketed throughout. Calcite visible in patches and veinlets up to 4cm wide. Brown-orange decomposing sulf remnants in quartz at fault altered contacts.
		pyqzpy4	1904025	Same as pyqzpy2. More of the hydrothermally altered quartz vein sample.
515923	7145323	pycubGqz1	1904026	Convulging' quartz lenses through fault altered 'graphite schist'. 5cm wide wide white-clear sugary quartz sampled. Orange-brown oxidation through approx. 80% of the heavy, folliated quartz.
		pycubGqz2	1904027	Same as above, 5x5cm wide white-clear heavy and fissured quartz lens segment. Lenses contact with muscovite-'graphite' on both sides. Black shale 'intrusively fissures' into quartz.
		pycubGqz3	1904028	Third sample taken from 5cm wide quartz lens of orange-brown oxidizing (approx. 80%) quartz, folliated with fissures of black. Encased in black shale with 'Pycubes' country rock.
515929	7145326	pycub1	1904029	Sericite-muscovite black schist highly morphed (fault altered). 'Graphite' contains cross-cutting veinlets up to 3mm wide. Rectangular sulfide remnants (up to 2x4mm). Brown-orange oxidation.
		pycub2	1904030	Brown oxidizing iron pyrite cubes up to 4x4mm embedded in the graphite-shale. Folliated and crosscutting fissures visible within the 1x1m sample zone of this country rock.
		pycub3	1904031	Brown oxidizing iron pyrite cubes up to 4x4mm embedded in the graphite-shale country rock. Iron-pyrite cubes and rectangles up to 6x5mm, enclosed in quartz.
		pycub4	1904032	Same rock as pycub3. Embedded and quartz 'enclosed' iron pyrite cubes up to 6x8mm visible within the fissured and folliated 'altered black shale'.
515917	7145323	pycubQz1	1904033	2cm wide clear-white quartz lens through the black schist-muscovite 'graphite'. Hydrothermal pockets oxidizing brown-orange powder through approx. 80% of visible surfaces.
		pycubQz2	1904034	Fissured quartz from 2cm wide lens (same as above). Orange oxidation through approx. 90%. Calcite remnants visible in hydro altered pockets.
515213	7145793	LQa	1904035	White weathering orange oxidizing 'carbonate rock'. Crosscut with veinlets and patches of black oxidations (manganese)
		LQb	1904036	Duplicate of LQa.
		LQc	1904037	Heavy, hard to break white weathered carbonate (greenstone remnants). Run through with networking quartz veinlets up to 1cm thick, approx. 50% orange oxidations.
		LQd	1904038	Same white weathered carbonate (altered ultramafic?) outcrop exposure containing orange oxidizing networked quartz veinlets up to 2cm thick.
		LQe	1904039	Same white weathered carbonate (altered ultramafic?) outcrop exposure containing orange oxidizing networked quartz veinlets up to 2cm thick.
516244	7144743	Q51	1904040	White quartz vein, bulging 10 - 15cm, crystalized in some sections and oxidizing orange through approx. 75%; strikes with bedding of sedimentary siltstone (dense black fine-grained) country rock.
		Q52	1904041	Fissured 'blackstone'/nassina, with folliating white-clear quartz veinlets networking throughout. Brown-orange-yellow oxidations through approx. 80% of quartz.
		Q53	1904042	Fissured grey-white 'carbonate' rock, cross-cut by brown-orange oxidizing quartz veinlets up to 4cm thick. Contacts black schist-shale on both sides.
		Q53b	1904043	Same rock as Q53. 4cm wide white-clear quartz vein approx. 40% pocketed with oxidizing sulfides (brown-orange-yellow-white). Small sulfide specs visible in pockets.
		Q53c	1904044	Same cross-cutting veinlet bulges to 5cm at folliation. Orange oxidizing pockets through approx. 50%. Black shale with muscovite at contacts on both sides, iron cubes and mn veinlets throughout.
515208	7145789	TalcT21	1904045	Brown and black oxidizing patches and veinlets over approx. 50% of highly altered quartz (lens or vein). 14cm wide quartz contacts white-green talcy powder on both sides.

Assay Results – Prospect Sampling 2018

**1:1:1 Aqua Regia Digestion Ultratrace and ICP-MS analysis. 250gm to 200 mesh.
Bureau Veritas Commodities Canada Ltd.**

Bureau Veritas Commodities Canada Ltd.																				
Client:		Petroutas, Erini																		
Job Number:		WHI2000056																		
Number of Sam		43	Project: JA																	
Field ID	Sample	Method Analyte Type	WGHT KG	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
				Cu PPM	Pb PPM	Zn PPM	Ag PPB	Ni PPM	Co PPM	Cr PPM	Mn PPM	As PPM	U PPM	Au PPB	Pd PPB	Pt PPB	Sr PPM	Ce PPM	Cd PPM	Cs PPM
QV1A	1904001	Rock	0.96	10.12	8.91	16.7	100	93.8	6.5	7.0	436	16.4	<0.1	0.5	<10	<2	180.3	6.4	0.09	0.05
QV1B	1904002	Rock	0.65	8.24	5.33	11.9	75	107.9	9.2	6.8	357	24.1	<0.1	0.9	<10	<2	119.3	8.1	0.07	0.06
Q2a	1904003	Rock	0.65	146.94	12.12	57.8	537	98.8	16.3	16.5	1222	34.3	<0.1	2.0	<10	<2	42.9	15.2	0.17	0.22
Q2b	1904004	Rock	0.75	130.14	6.16	39.7	411	51.8	14.1	11.8	1076	26.7	<0.1	1.6	<10	<2	16.5	13.1	0.06	0.24
Q2c	1904005	Rock	0.66	86.76	12.95	42.8	332	50.2	12.9	9.4	1073	22.6	<0.1	2.4	<10	<2	15.8	18.2	0.09	0.18
QV2a	1904006	Rock	0.67	31.04	6.12	41.6	85	95.1	9.7	15.8	2439	5.6	0.9	1.3	<10	<2	56.6	7.8	0.12	0.24
QV2b	1904007	Rock	0.46	12.42	7.86	41.6	90	241.6	17.7	20.6	1214	25.7	0.1	0.8	<10	<2	131.4	17.0	0.11	0.54
QV2c	1904008	Rock	0.77	94.93	8.22	46.2	87	83.7	8.0	12.9	1025	3.4	0.1	2.5	<10	3	11.4	18.2	0.06	0.49
Q3a	1904009	Rock	0.99	79.35	6.82	47.8	291	145.2	16.7	62.3	1734	35.6	<0.1	0.6	<10	<2	191.4	5.6	0.09	0.45
Q3b	1904010	Rock	0.44	41.54	4.54	98.4	147	141.9	21.3	55.0	2394	37.5	<0.1	1.7	<10	<2	127.1	3.4	0.08	0.38
Q3c	1904011	Rock	0.47	113.05	3.26	41.8	420	114.1	20.0	41.0	2792	43.8	<0.1	2.8	<10	<2	80.1	1.8	0.19	0.29
Q3d	1904012	Rock	0.64	64.19	3.78	81.2	248	155.6	15.8	42.1	5419	26.4	0.1	3.5	<10	<2	96.6	3.1	0.10	0.38
Q3e	1904013	Rock	0.44	12.26	3.26	22.2	60	63.7	7.1	25.5	658	15.4	<0.1	0.8	<10	<2	124.3	2.0	0.04	0.15
Q4	1904014	Rock	2.18	11.46	7.13	33.3	85	45.6	7.9	20.2	388	22.3	<0.1	0.7	<10	<2	12.4	4.3	0.04	0.13
Q5a	1904017	Rock	0.41	11.97	4.03	23.7	431	8.1	1.0	5.0	37	20.6	0.2	3.9	<10	<2	56.1	6.3	0.01	0.34
Q5b	1904018	Rock	0.34	9.34	4.40	7.2	317	1.6	0.2	4.6	25	12.4	0.1	1.1	<10	<2	33.8	8.7	0.02	0.39
Q5c	1904019	Rock	0.34	14.16	3.39	11.9	144	1.8	0.2	4.7	21	16.2	0.2	2.4	<10	<2	20.3	4.1	0.01	0.15
Q5d	1904020	Rock	0.53	33.13	2.44	28.2	235	5.3	0.6	8.1	29	35.8	0.2	1.2	<10	<2	9.5	2.1	0.02	0.06
Q5e	1904021	Rock	0.46	30.40	2.88	21.7	231	3.8	0.4	6.4	29	33.1	0.3	1.6	<10	<2	17.8	3.6	0.02	0.26
pyqzcal	1904022	Rock	0.55	34.93	12.08	161.0	213	24.8	3.7	8.8	3915	3.5	0.6	0.9	<10	<2	620.5	18.3	3.06	0.14
pyqzpy1	1904023	Rock	0.48	22.37	2.48	48.8	137	11.6	2.1	5.0	1213	1.2	0.2	0.9	<10	<2	52.3	6.8	0.69	0.22
pyqzpy2	1904024	Rock	0.31	21.99	3.00	196.1	90	24.2	3.1	5.0	1657	11.1	0.3	1.1	<10	<2	35.8	3.9	2.49	0.05
pyqzpy4	1904025	Rock	0.79	26.70	4.78	69.2	178	16.6	2.9	5.1	276	2.7	0.3	0.2	<10	<2	27.4	13.2	0.39	0.38
pycubGqz1	1904026	Rock	0.32	13.57	2.55	130.9	189	13.3	2.3	4.3	200	92.9	0.2	7.3	<10	<2	6.7	12.1	2.01	0.57
pycubGqz2	1904027	Rock	0.34	42.14	9.25	407.8	2334	28.3	3.7	5.2	638	119.2	1.1	34.0	<10	<2	14.0	4.6	3.67	0.26
pycubGqz3	1904028	Rock	1.11	70.61	3.51	657.7	338	70.2	12.2	4.4	3633	97.9	0.6	10.4	10	<2	19.5	6.2	13.27	0.49
pycub1	1904029	Rock	1.09	39.75	3.62	82.4	203	20.6	4.2	7.0	391	1.6	0.4	0.8	<10	<2	30.5	15.9	0.54	0.40
pycub2	1904030	Rock	0.75	45.51	11.24	45.5	245	14.5	3.6	4.4	555	7.0	0.2	1.9	<10	<2	56.5	9.3	0.73	0.43
pycub3	1904031	Rock	0.92	35.10	6.22	28.9	208	14.7	3.4	5.0	421	2.1	0.3	1.0	<10	<2	26.9	14.6	0.55	0.45
pycub4	1904032	Rock	0.75	27.44	6.67	45.4	143	12.2	2.7	4.0	542	4.6	0.2	3.1	<10	<2	54.1	10.0	0.83	0.42
pycubQz1	1904033	Rock	0.79	52.56	2.69	233.9	808	28.9	2.4	4.9	163	113.7	0.4	14.7	<10	<2	6.2	16.7	2.31	0.78
pycubQz1	1904034	Rock	0.45	20.90	2.56	159.9	995	26.5	3.3	3.1	1347	19.2	1.4	5.3	10	<2	7.8	3.1	9.42	0.18
LQa	1904035	Rock	0.62	6.44	0.54	17.8	25	1103.7	62.3	1315.5	520	37.3	0.1	<0.2	<10	5	73.4	0.3	0.04	2.85
LQb	1904036	Rock	0.75	7.01	1.57	19.5	31	1112.6	64.5	1465.0	666	33.0	0.1	<0.2	<10	<2	67.6	0.3	0.02	2.83
LQc	1904037	Rock	0.64	15.23	0.29	12.3	59	1018.5	60.7	1108.7	670	49.7	0.5	<0.2	<10	3	11.5	0.2	<0.01	0.81
LQd	1904038	Rock	0.36	9.90	0.56	9.9	55	1234.3	62.3	1405.5	743	82.4	0.5	1.8	<10	3	9.7	0.2	0.02	1.28
LQe	1904039	Rock	0.35	7.31	2.46	13.5	46	958.7	57.4	882.1	809	49.3	0.4	<0.2	<10	<2	16.5	0.2	0.02	0.80
Q51	1904040	Rock	0.56	0.77	1.07	13.9	10	1013.8	42.8	389.9	977	4.4	0.1	1.1	<10	2	112.1	0.5	0.05	2.55
Q52	1904041	Rock	0.53	0.55	1.03	14.2	8	889.9	37.5	218.6	677	5.2	0.1	<0.2	<10	<2	192.1	0.5	0.02	2.25
Q53	1904042	Rock	0.53	0.49	0.41	16.8	<2	934.4	45.6	118.9	690	3.6	0.2	<0.2	<10	<2	249.7	0.7	0.02	2.47
Q54	1904043	Rock	1.00	6.07	1.52	15.3	26	39.7	3.8	26.8	347	1.6	<0.1	<0.2	<10	<2	5.9	7.6	0.02	0.74
Q55	1904044	Rock	0.94	1.13	0.80	17.6	23	2059.6	85.3	802.3	1960	40.5	1.2	40.5	<10	4	148.2	1.4	0.03	4.50
TalcT21	1904045	Rock	0.75	14.97	0.70	14.4	57	1070.1	73.3	806.9	1096	79.7	0.3	0.4	<10	3	18.9	0.3	0.02	0.88

Data Interpretation

Slightly anomalous gold results in three of the 45 samples assayed, (Sample #'s **1904027, 1904033 and 1904044**) seem to correlate with silver, copper, manganese and arsenopyrite. Significant strontium in all samples sent, indicates the “country rock” to be ‘carbonate altered’. Fault altered serpentine and mafic rock also targeted.

#1904027 with 340gram weight – **42ppm Cu, 9ppm Pb, 407ppm Zn, 2,334ppb Ag, 119ppm As, 34ppb Au**; **PyCubGqz2** Field Tag: Black Schist (Fault Altered)/‘Graphite’ containing iron oxide ‘cubelets’ and quartz veinlets.

#1904033 with 790gram weight – **52ppm Cu, 2ppm Pb, 233ppm Zn, 808ppb Ag, 113ppm As, 14.7ppb Au**; **PyCubQz1** Field Tag: Quartz Vein chips from the “PyCube” Black-Schist/Graphite and Quartz Area; 10m NW of #1904027.

#1904044 with 940gram weight – **1ppm Cu, 17ppm Zn, 23ppb Ag, 2,059ppm Ni, 85ppm Co, 802ppm Cr, 1,960ppm Mn, 40ppm As, 40.5ppb Au**; **Q5-5** Field Tag: Quartz Vein(s) through altered protolith of ultramafic. Sheared and fault altered “Talc Listwanite and Quartz Area/LQ Field Target”.

10 of the samples assayed from the “LQ Field Target” returned Cobalt (37.5ppm-85.3ppm Co) and Chromium (118.9ppm-1465ppm Cr) as well as Nickel (934.4ppm-2059.6ppm Ni).

*See location maps page 8-9.

		WGHT	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Wgt	Sb	V	Rb	La	Ba	Mg	Ca	Fe	Y	Li	B	Sc	Hg	Th	Se	Zr
		KG	PPM	PPM	PPM	PPM	PPM	%	%	%	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPM
Field ID	Sample	0.01	0.02	1	0.1	0.5	0.5	0.01	0.01	0.01	0.01	0.1	1	0.1	5	0.1	0.1	0.1
QV1A	1904001	0.96	3.02	6	<0.1	2.4	34.7	3.13	6.16	1.27	1.06	0.7	<1	2.3	8	0.6	<0.1	1.2
QV1B	1904002	0.65	2.12	6	<0.1	3.3	40.1	1.95	3.56	1.11	1.02	1.0	<1	2.4	<5	0.9	<0.1	1.2
Q2a	1904003	0.65	25.12	64	0.2	5.6	96.0	1.63	0.83	2.76	1.11	1.9	<1	10.8	20	1.3	0.1	0.8
Q2b	1904004	0.75	0.85	60	0.3	4.9	67.5	0.84	0.14	2.06	0.75	1.9	<1	8.1	11	1.3	<0.1	0.5
Q2c	1904005	0.66	1.13	44	0.2	6.0	58.3	0.71	0.19	1.90	1.00	1.9	<1	8.6	13	1.4	<0.1	0.4
QV2a	1904006	0.67	6.03	32	2.0	3.4	555.6	0.47	0.35	3.32	2.68	1.6	<1	5.9	13	1.2	<0.1	2.0
QV2b	1904007	0.46	2.88	29	0.4	7.0	127.3	3.24	6.21	2.58	1.79	2.7	<1	5.5	17	2.2	<0.1	1.7
QV2c	1904008	0.77	5.83	3	2.9	6.0	233.1	0.21	0.28	1.55	1.14	2.1	<1	2.9	53	2.4	<0.1	1.1
Q3a	1904009	0.99	10.29	75	0.3	1.8	173.2	4.15	6.17	3.63	1.85	2.2	<1	11.9	25	0.6	0.9	1.2
Q3b	1904010	0.44	6.05	126	0.3	1.2	83.4	5.45	4.27	5.97	1.51	2.9	<1	17.2	13	0.4	1.5	1.2
Q3c	1904011	0.47	34.62	68	0.3	<0.5	103.7	2.00	2.29	3.83	1.08	1.4	<1	13.2	18	0.1	2.7	0.8
Q3d	1904012	0.64	15.75	49	0.3	1.2	52.8	5.44	2.69	7.52	1.61	1.1	<1	19.4	57	0.6	6.4	1.1
Q3e	1904013	0.44	5.22	26	0.1	0.7	29.5	2.87	5.19	1.78	1.28	0.7	<1	3.4	6	0.2	0.1	0.6
Q4	1904014	2.18	2.01	29	0.1	1.9	15.2	0.97	0.37	1.49	0.56	1.6	<1	4.4	<5	0.5	<0.1	0.5
Q5a	1904017	0.41	11.69	9	4.2	3.3	405.4	0.02	0.02	0.83	0.41	0.6	3	0.6	21	1.3	1.1	5.1
Q5b	1904018	0.34	9.14	8	3.5	4.2	486.1	0.02	0.01	0.59	0.42	0.4	3	0.5	36	1.1	0.3	4.7
Q5c	1904019	0.34	4.18	9	0.9	2.1	83.6	<0.01	0.01	0.57	0.26	0.4	<1	0.4	36	0.7	0.2	2.8
Q5d	1904020	0.53	9.73	24	0.2	1.0	66.9	<0.01	0.01	1.14	0.24	0.5	2	0.7	24	0.5	0.3	2.5
Q5e	1904021	0.46	9.39	13	0.9	1.6	113.2	<0.01	0.02	1.00	0.32	0.5	1	0.6	23	0.6	0.5	3.8
pyqzcal	1904022	0.55	2.58	6	1.4	10.2	306.2	1.09	9.24	1.27	30.20	2.1	<1	2.9	7	1.9	0.8	5.2
pyqzpy1	1904023	0.48	0.66	5	2.8	3.1	174.3	0.30	1.17	0.90	4.90	1.2	<1	0.8	13	1.0	0.2	1.9
pyqzpy2	1904024	0.31	1.00	3	0.3	1.9	576.5	0.03	1.35	0.75	6.49	0.4	<1	0.5	<5	0.3	0.6	2.4
pyqzpy4	1904025	0.79	0.94	6	5.4	6.2	319.2	0.10	0.31	1.14	1.96	2.3	2	0.8	6	1.9	1.2	3.7
pycubGqz1	1904026	0.32	3.41	4	5.4	5.9	86.3	<0.01	0.02	0.97	1.09	0.4	3	0.7	<5	1.7	0.8	4.0
pycubGqz2	1904027	0.34	14.76	3	1.8	2.2	110.8	0.02	0.06	1.34	3.20	0.5	3	0.7	49	0.6	1.3	3.8
pycubGqz3	1904028	1.11	6.08	4	5.5	2.7	110.2	0.12	0.41	1.63	6.69	0.6	2	1.6	16	1.7	1.5	4.8
pycub1	1904029	1.09	0.69	8	5.7	7.5	339.6	0.10	0.41	1.12	1.51	2.6	1	1.0	19	2.1	0.4	3.4
pycub2	1904030	0.75	1.40	4	5.6	4.4	284.5	0.25	0.68	1.10	2.50	1.2	1	0.8	12	1.9	1.2	3.2
pycub3	1904031	0.92	0.83	5	6.4	6.7	340.0	0.16	0.39	0.73	1.52	1.3	2	0.7	6	2.5	1.0	2.8
pycub4	1904032	0.75	1.43	4	5.4	4.7	317.3	0.23	0.62	0.88	2.33	1.1	2	0.7	11	1.7	1.1	2.4
pycubQz1	1904033	0.79	25.37	6	7.3	8.0	119.7	0.01	0.04	1.35	1.38	0.9	3	1.0	20	2.7	0.5	5.9
pycubQz1	1904034	0.45	5.21	2	1.4	1.3	32.3	0.05	0.13	0.57	5.68	0.9	3	1.0	8	0.4	0.2	1.7
LQa	1904035	0.62	1.23	27	0.9	<0.5	39.5	16.80	1.65	3.50	0.87	4.2	<1	8.2	14	<0.1	<0.1	1.0
LQb	1904036	0.75	1.28	31	0.8	<0.5	34.1	15.86	1.38	4.08	1.02	3.6	1	8.7	13	<0.1	<0.1	1.2
LQc	1904037	0.64	0.31	28	0.2	<0.5	10.7	13.39	0.21	3.64	0.81	2.7	<1	9.1	<5	<0.1	<0.1	1.0
LQd	1904038	0.36	0.42	32	0.3	<0.5	19.2	13.03	0.26	4.14	0.90	3.9	<1	10.2	9	<0.1	<0.1	1.4
LQe	1904039	0.35	0.36	23	0.2	<0.5	14.9	13.28	0.37	3.33	0.84	1.9	<1	7.9	5	<0.1	<0.1	0.9
Q51	1904040	0.56	0.63	11	0.6	<0.5	45.5	17.53	2.54	3.48	0.61	1.6	<1	3.1	28	<0.1	1.0	0.9
Q52	1904041	0.53	0.71	8	0.5	<0.5	65.6	13.43	5.11	2.97	0.61	1.3	<1	2.2	15	<0.1	0.6	1.0
Q53	1904042	0.53	1.64	12	0.7	<0.5	112.3	16.04	8.78	3.95	0.95	1.8	<1	2.3	148	<0.1	0.3	2.5
Q54	1904043	1.00	0.40	12	0.6	2.9	51.6	0.25	0.12	0.88	0.81	1.8	<1	2.0	7	1.0	<0.1	0.7
Q55	1904044	0.94	1.77	16	0.9	0.6	84.2	14.75	4.31	4.10	1.76	1.4	<1	4.1	35	<0.1	1.0	2.0
TalcT21	1904045	0.75	0.75	27	0.3	<0.5	17.1	15.51	0.43	4.79	1.37	2.5	<1	7.7	6	<0.1	<0.1	0.8

Bureau Veritas Commodities Canada Ltd.																							
Client:		Petrobras, Erini																					
Job Number:		WHI2000056																					
Number of Samples:		43		Project:																JA			
Method		Wght																					
Analyte		Wgt																					
Type		KG																					
Field ID	Sample	MDL	0.01	0.1	0.1	0.02	0.02	0.01	0.1	0.1	0.05	0.02	0.02	0.02	0.1	0.1	0.001	0.001	0.02	0.01	0.001	0.01	0.02
QV1A	1904001	Rock	0.96	0.4	0.2	<0.02	<0.02	0.15	0.6	<0.1	<0.05	0.03	<0.02	<0.02	<1	<0.1	0.001	<0.001	<0.02	0.14	0.003	<0.01	<0.02
QV1B	1904002	Rock	0.65	0.5	0.1	<0.02	<0.02	0.15	0.1	<0.1	<0.05	<0.02	<0.02	<0.02	<1	<0.1	0.002	<0.001	<0.02	0.15	0.002	<0.01	<0.02
Q2a	1904003	Rock	0.65	0.8	0.2	<0.02	<0.02	0.20	0.6	<0.1	<0.05	<0.02	<0.02	0.05	<1	<0.1	0.006	0.001	<0.02	0.20	<0.001	<0.01	<0.02
Q2b	1904004	Rock	0.75	0.9	<0.1	<0.02	<0.02	0.37	0.2	<0.1	<0.05	<0.02	<0.02	0.04	<1	<0.1	0.005	<0.001	<0.02	0.18	<0.001	<0.01	0.03
Q2c	1904005	Rock	0.66	0.7	0.1	<0.02	<0.02	0.29	0.3	<0.1	<0.05	<0.02	<0.02	0.05	<1	<0.1	0.004	<0.001	<0.02	0.17	<0.001	<0.01	0.02
QV2a	1904006	Rock	0.67	1.1	0.5	<0.02	<0.02	1.78	0.3	<0.1	<0.05	<0.02	<0.02	<0.02	<1	<0.1	0.013	0.002	<0.02	0.26	0.002	0.04	<0.02
QV2b	1904007	Rock	0.46	1.2	0.2	<0.02	<0.02	0.21	0.2	<0.1	<0.05	0.02	<0.02	0.02	<1	0.2	0.008	0.001	<0.02	0.30	0.002	<0.01	<0.02
QV2c	1904008	Rock	0.77	1.0	0.3	<0.02	<0.02	0.24	0.3	<0.1	<0.05	<0.02	<0.02	0.02	<1	<0.1	0.004	0.001	0.04	0.18	0.001	0.06	<0.02
Q3a	1904009	Rock	0.99	1.3	0.2	<0.02	<0.02	0.16	0.2	0.1	<0.05	<0.02	<0.02	0.04	<1	<0.1	0.011	0.001	<0.02	0.25	0.003	<0.01	0.10
Q3b	1904010	Rock	0.44	1.5	0.1	<0.02	<0.02	0.17	0.1	0.1	<0.05	0.03	<0.02	0.08	<1	<0.1	0.005	<0.001	0.03	0.28	0.005	<0.01	0.10
Q3c	1904011	Rock	0.47	0.8	0.1	<0.02	<0.02	0.24	0.1	0.1	<0.05	<0.02	<0.02	0.07	<1	<0.1	0.014	0.001	<0.02	0.15	0.001	<0.01	0.20
Q3d	1904012	Rock	0.64	0.9	0.5	<0.02	<0.02	0.32	<0.1	0.2	<0.05	0.02	<										

Recommendations and Conclusion

Copper, Cobalt and Nickel anomalies as well as significant manganese, chromium and magnesium amounts indicate the presence of carbonate alteration of former ultramafic and serpentine rocks, as surmised, (Green and Roddick 1961).

Observed further fault alteration of this 'country rock' may have created geological environments with potential for gold and possibly platinum, as well as the initial targets of jade and rare earth minerals.

Further prospecting and analysis should be done, with rock and soil sampling targeting the defined and observable fault zone areas throughout the claims grouping. Detailed assay sampling of exposed bedrock formations on the south and east of the property as well as the north is recommended, focusing on the "altered ultramafics", faults and contacts.

Statement of Qualification

Erini Petroustas: Employed 15 consecutive summers in the Dawson area as a gold prospector in the field and as property manager for claims assessment, and as a geo-tech for drilling and exploration projects.

Employment experiences have included: Assistant to: Joanna Hodge PhD Geology; Erin O'Brian Masters Geology; Ken Galambos Geologist; Chris Ash Masters Ultramafic Geology; Kevin Brewer P.Geo; Bohumil Molak PhD, P.Geo. Al Doherty P.Geo. References can be requested from any of the above professionals. Signed & Dated:

Expenses

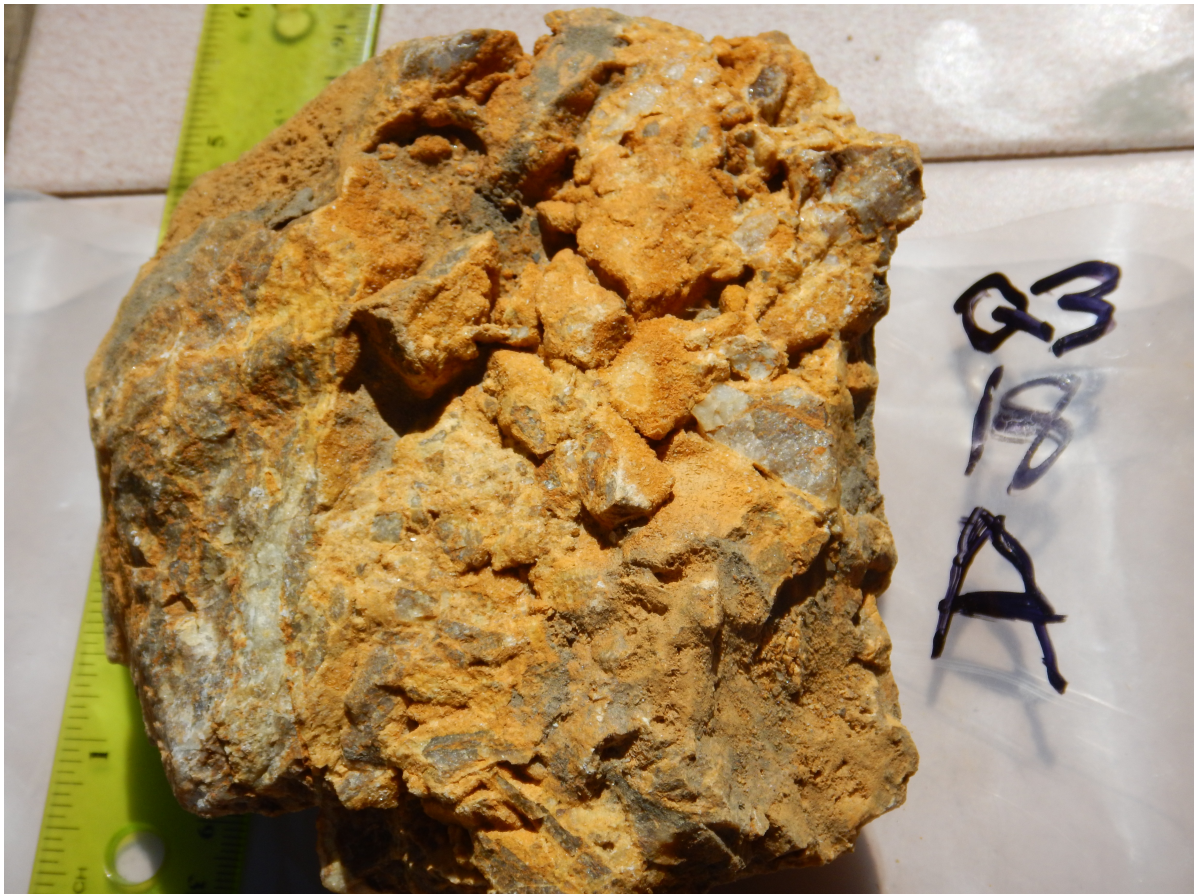
Work Performed on Quartz Claims JA 68 ~ YE78898, JA73 (YE78317), JA81 (YE78298)

August 1st - August 4th, 2018 – Map # 116C 07

Assessment to be Applied to: **JA 1 – 81**

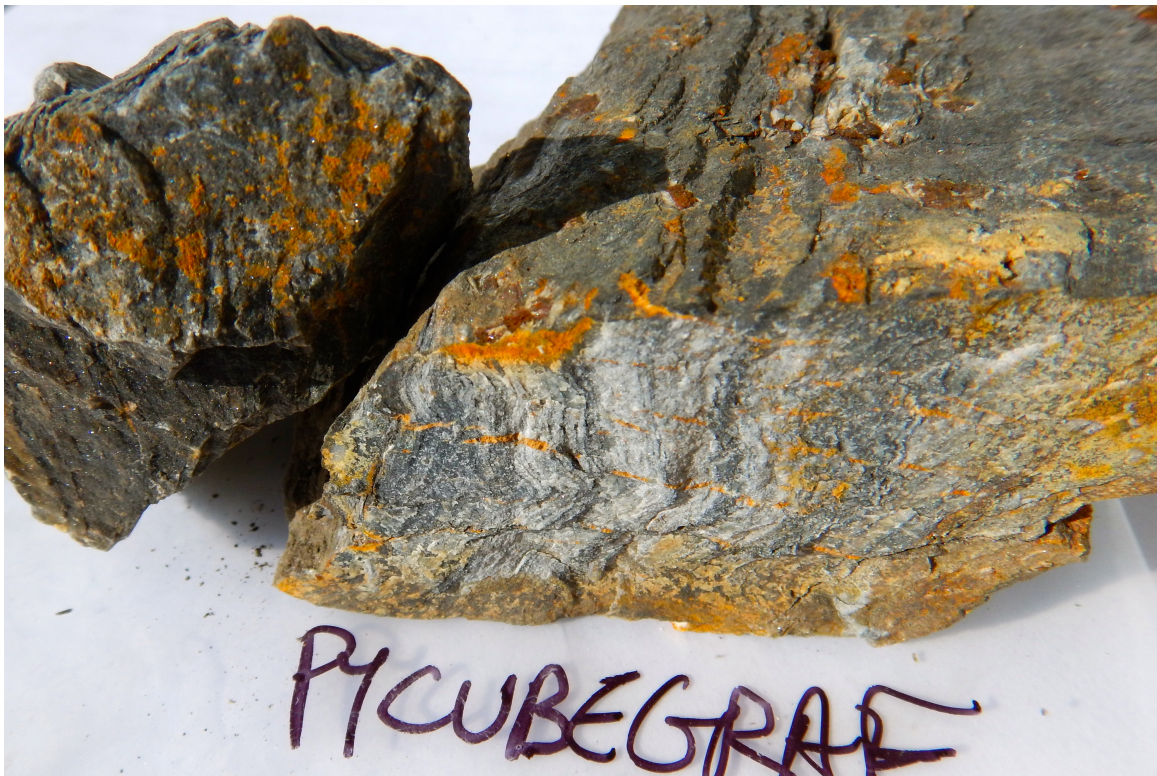
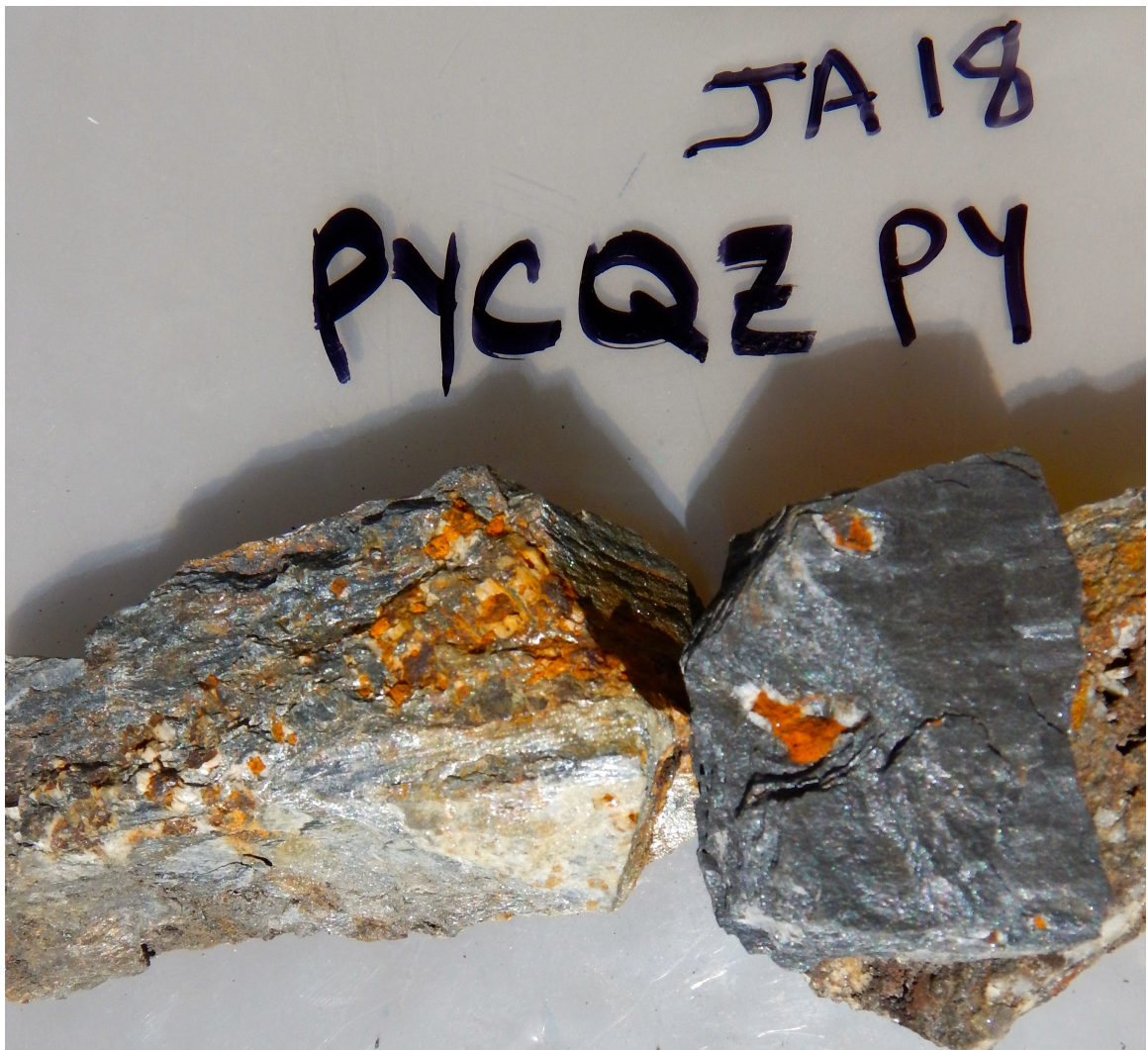
"JA" Group" Expenses ~ August 2018					
Work Dates	Days	Work Description	Rate(YMIP)	Calculation	Cost
1st - 4th of August, 2018:	4	Prospector: Erini Petroustas	\$350/day	\$350 x 4 days	\$1,400
	4	Field Assistant: Daniel Ouimett	\$250/day	\$250 x 4 days	\$1,000
1st - 4th of August, 2018:	8	Field & Accom. Expenses	\$100/day per person	\$100 x 8 person days	\$800
	4	Truck and ATV	\$50/day truck + \$40/day ATV	\$90 x 4 days	\$360
				Labor Expense Total	\$3,560
Sampling	# of Assays	Method Recommended			
1st - 4th of August, 2018:	45	Samples Selected for Detailed Assay	FireAu +36 Element + Platanoid	\$85 per sample	\$3,825
	12	Samples Selected for visual specialist analysis.	Identification Verification	Contributed Cost	0
		Report Writing	YMIP Rate	10% of \$7,385 Expense Total	\$738
				Total Expended Cost	\$8,123

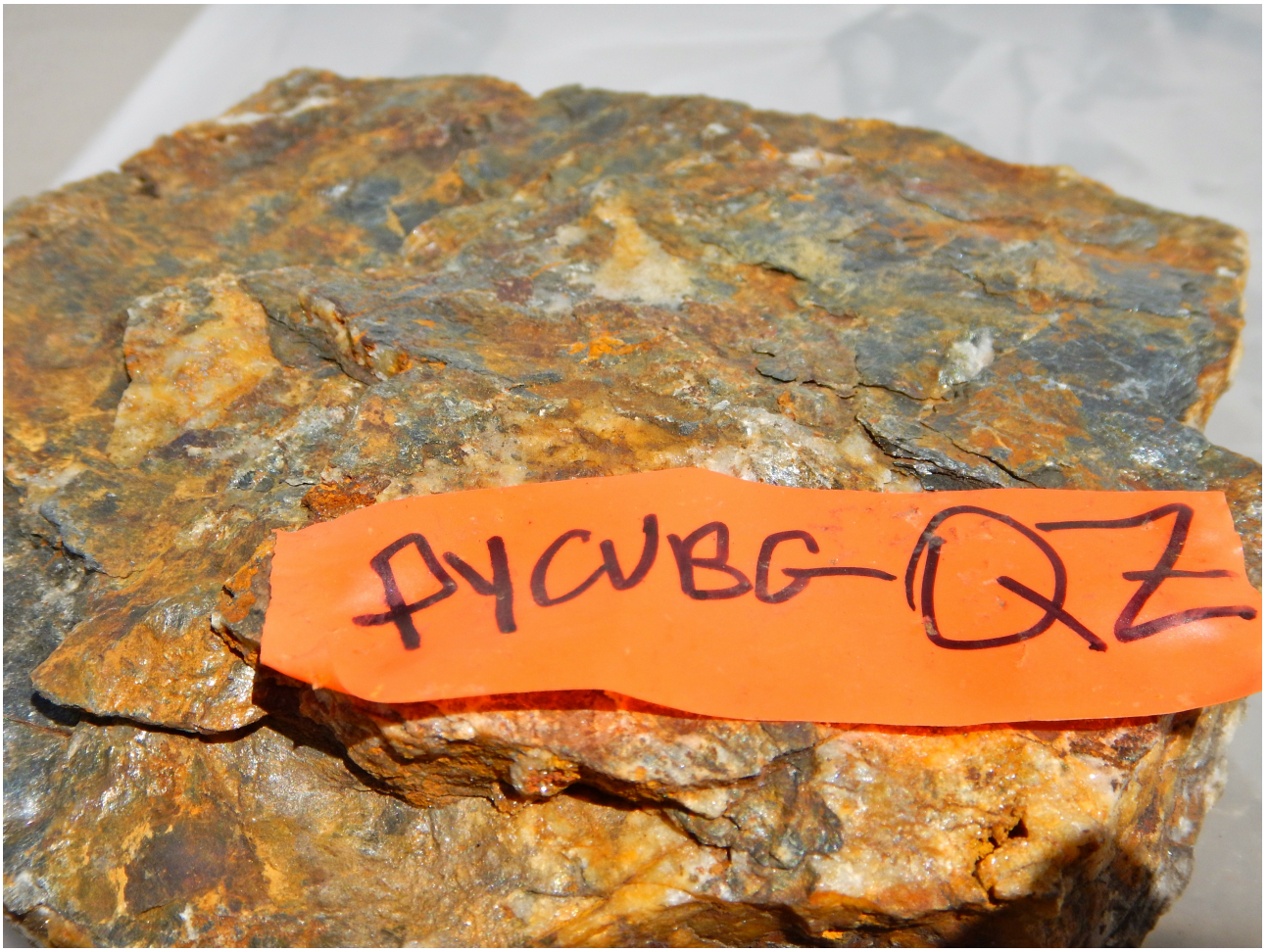
Assayed Sample Photos 2018















Assay Certificates



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Submitted By: Erni Petroutsas
Receiving Lab: Canada-Whitehorse
Received: June 18, 2020
Analysis Start: July 07, 2020
Report Date: September 14, 2020
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI20000056.1

CLIENT JOB INFORMATION

Project: JA
Shipment ID:
P.O. Number
Number of Samples: 43

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	43	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ252_EXT	43	1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	43	Per sample shipping charges for branch shipments			VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

ADDITIONAL COMMENTS

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: **Petroutsas, Erini**
Box 431
Dawson City Yukon Y0B 1G0
Canada

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: JA
Report Date: September 14, 2020

Page: 2 of 3 Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI20000056.1

Method Analyte Unit MDL	WGHT	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
1904001	Rock	0.96	0.15	10.12	8.91	16.7	100	93.8	6.5	436	1.27	16.4	<0.1	0.5	0.6	180.3	0.09	3.02	<0.02	6	6.16
1904002	Rock	0.65	0.15	8.24	5.33	11.9	75	107.9	9.2	357	1.11	24.1	<0.1	0.9	0.9	119.3	0.07	2.12	<0.02	6	3.56
1904003	Rock	0.65	0.20	146.94	12.12	57.8	537	98.8	16.3	1222	2.76	34.3	<0.1	2.0	1.3	42.9	0.17	25.12	<0.02	64	0.83
1904004	Rock	0.75	0.37	130.14	6.16	39.7	411	51.8	14.1	1076	2.06	26.7	<0.1	1.6	1.3	16.5	0.06	0.85	<0.02	60	0.14
1904005	Rock	0.66	0.29	86.76	12.95	42.8	332	50.2	12.9	1073	1.90	22.6	<0.1	2.4	1.4	15.8	0.09	1.13	<0.02	44	0.19
1904006	Rock	0.67	1.78	31.04	6.12	41.6	85	95.1	9.7	2439	3.32	5.6	0.9	1.3	1.2	56.6	0.12	6.03	<0.02	32	0.35
1904007	Rock	0.46	0.21	12.42	7.86	41.6	90	241.6	17.7	1214	2.58	25.7	0.1	0.8	2.2	131.4	0.11	2.88	<0.02	29	6.21
1904008	Rock	0.77	0.24	94.93	8.22	46.2	87	83.7	8.0	1025	1.55	3.4	0.1	2.5	2.4	11.4	0.06	5.83	<0.02	3	0.28
1904009	Rock	0.99	0.16	79.35	6.82	47.8	291	145.2	16.7	1734	3.63	35.6	<0.1	0.6	0.6	191.4	0.09	10.29	<0.02	75	6.17
1904010	Rock	0.44	0.17	41.54	4.54	98.4	147	141.9	21.3	2394	5.97	37.5	<0.1	1.7	0.4	127.1	0.08	6.05	<0.02	126	4.27
1904011	Rock	0.47	0.24	113.05	3.26	41.8	420	114.1	20.0	2792	3.83	43.8	<0.1	2.8	0.1	80.1	0.19	34.62	<0.02	68	2.29
1904012	Rock	0.64	0.32	64.19	3.78	81.2	248	155.6	15.8	5419	7.52	26.4	0.1	3.5	0.6	96.6	0.10	15.75	<0.02	49	2.66
1904013	Rock	0.44	0.09	12.26	3.26	22.2	60	63.7	7.1	658	1.78	15.4	<0.1	0.8	0.2	124.3	0.04	5.22	<0.02	26	5.19
1904014	Rock	2.18	0.63	11.46	7.13	33.3	85	45.6	7.9	388	1.49	22.3	<0.1	0.7	0.5	12.4	0.04	2.01	<0.02	29	0.37
1904017	Rock	0.41	0.79	11.97	4.03	23.7	431	8.1	1.0	37	0.83	20.6	0.2	3.9	1.3	56.1	0.01	11.69	0.07	9	0.02
1904018	Rock	0.34	0.37	9.34	4.40	7.2	317	1.6	0.2	25	0.59	12.4	0.1	1.1	1.1	33.8	0.02	9.14	0.05	8	0.01
1904019	Rock	0.34	0.51	14.16	3.39	11.9	144	1.8	0.2	21	0.57	16.2	0.2	2.4	0.7	20.3	0.01	4.18	<0.02	9	0.01
1904020	Rock	0.53	0.48	33.13	2.44	28.2	235	5.3	0.6	29	1.14	35.8	0.2	1.2	0.5	9.5	0.02	9.73	<0.02	24	0.01
1904021	Rock	0.46	0.55	30.40	2.88	21.7	231	3.8	0.4	29	1.00	33.1	0.3	1.6	0.6	17.8	0.02	9.39	<0.02	13	0.02
1904022	Rock	0.55	1.13	34.93	12.08	161.0	213	24.8	3.7	3915	1.27	3.5	0.6	0.9	1.9	620.5	3.06	2.58	0.04	6	9.24
1904023	Rock	0.48	0.40	22.37	2.48	48.8	137	11.6	2.1	1213	0.90	1.2	0.2	0.9	1.0	52.3	0.69	0.66	<0.02	5	1.17
1904024	Rock	0.31	0.47	21.99	3.00	196.1	90	24.2	3.1	1657	0.75	11.1	0.3	1.1	0.3	35.8	2.49	1.00	<0.02	3	1.35
1904025	Rock	0.79	0.51	26.70	4.78	69.2	178	16.6	2.9	276	1.14	2.7	0.3	0.2	1.9	27.4	0.39	0.94	0.10	6	0.31
1904026	Rock	0.32	1.11	13.57	2.55	130.9	189	13.3	2.3	200	0.97	92.9	0.2	7.3	1.7	6.7	2.01	3.41	<0.02	4	0.02
1904027	Rock	0.34	1.47	42.14	9.25	407.8	2334	28.3	3.7	638	1.34	119.2	1.1	34.0	0.6	14.0	3.67	14.76	0.17	3	0.06
1904028	Rock	1.11	1.71	70.61	3.51	657.7	338	70.2	12.2	3633	1.63	97.9	0.6	10.4	1.7	19.5	13.27	6.08	0.05	4	0.41
1904029	Rock	1.09	0.45	39.75	3.62	82.4	203	20.6	4.2	391	1.12	1.6	0.4	0.8	2.1	30.5	0.54	0.69	0.03	8	0.41
1904030	Rock	0.75	0.41	45.51	11.24	45.5	245	14.5	3.6	555	1.10	7.0	0.2	1.9	1.9	56.5	0.73	1.40	0.20	4	0.68
1904031	Rock	0.92	0.34	35.10	6.22	28.9	208	14.7	3.4	421	0.73	2.1	0.3	1.0	2.5	26.9	0.55	0.83	0.10	5	0.39
1904032	Rock	0.75	0.39	27.44	6.67	45.4	143	12.2	2.7	542	0.88	4.6	0.2	3.1	1.7	54.1	0.83	1.43	0.15	4	0.62

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Project: JA
Report Date: September 14, 2020

Page: 1 of 3 Part: 1 of 3

CERTIFICATE OF ANALYSIS **WHI20000056.1**

Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	
1904033	Rock	0.79	2.14	52.56	2.99	233.9	808	28.9	2.4	163	1.35	113.7	0.4	14.7	2.7	6.2	2.31	25.37	0.06	6	0.04
1904034	Rock	0.45	0.50	20.90	2.56	159.9	995	26.5	3.3	1347	0.57	19.2	1.4	5.3	0.4	7.8	9.42	5.21	0.03	2	0.13
1904035	Rock	0.62	0.03	6.44	0.54	17.8	25	1103.7	62.3	520	3.50	37.3	0.1	<0.2	<0.1	73.4	0.04	1.23	<0.02	27	1.65
1904036	Rock	0.75	0.02	7.01	1.57	19.5	31	1112.6	64.5	666	4.08	33.0	0.1	<0.2	<0.1	67.6	0.02	1.28	<0.02	31	1.38
1904037	Rock	0.64	<0.01	15.23	0.29	12.3	59	1018.5	60.7	670	3.84	49.7	0.5	<0.2	<0.1	11.5	<0.01	0.31	<0.02	28	0.21
1904038	Rock	0.36	0.03	9.90	0.56	9.9	55	1234.3	62.3	743	4.14	82.4	0.5	1.8	<0.1	9.7	0.02	0.42	<0.02	32	0.26
1904039	Rock	0.35	<0.01	7.31	2.46	13.5	46	958.7	57.4	809	3.33	49.3	0.4	<0.2	<0.1	16.5	0.02	0.36	<0.02	23	0.37
1904040	Rock	0.56	0.03	0.77	1.07	13.9	10	1013.8	42.8	977	3.48	4.4	0.1	1.1	<0.1	112.1	0.05	0.63	<0.02	11	2.54
1904041	Rock	0.53	0.02	0.55	1.03	14.2	8	889.9	37.5	677	2.97	5.2	0.1	<0.2	<0.1	192.1	0.02	0.71	<0.02	8	5.11
1904042	Rock	0.53	0.03	0.49	0.41	16.8	<2	934.4	45.6	690	3.95	3.6	0.2	<0.2	<0.1	249.7	0.02	1.64	<0.02	12	8.78
1904043	Rock	1.00	0.19	6.07	1.52	15.3	26	39.7	3.8	347	0.88	1.6	<0.1	<0.2	1.0	5.9	0.02	0.40	<0.02	12	0.12
1904044	Rock	0.94	0.06	1.13	0.80	17.6	23	2059.6	85.3	1960	4.10	40.5	1.2	40.5	<0.1	148.2	0.03	1.77	<0.02	16	4.31
1904045	Rock	0.75	0.02	14.97	0.70	14.4	57	1070.1	73.3	1096	4.79	79.7	0.3	0.4	<0.1	18.9	0.02	0.75	<0.02	27	0.43



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Project: JA
Report Date: September 14, 2020

Page: 2 of 3 Part: 2 of 3

CERTIFICATE OF ANALYSIS **WHI20000056.1**

Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
1904033	Rock	0.023	8.0	4.9	0.01	119.7	<0.001	3	0.22	0.002	0.13	<0.1	1.0	0.07	<0.02	20	0.5	0.02	0.5	0.78	<0.1
1904034	Rock	0.008	1.3	3.1	0.05	32.3	<0.001	3	0.08	<0.001	0.02	<0.1	1.0	0.03	<0.02	8	0.2	<0.02	0.2	0.18	<0.1
1904035	Rock	<0.001	<0.5	1315.5	16.80	39.5	<0.001	<1	0.44	0.003	<0.01	<0.1	8.2	<0.02	<0.02	14	<0.1	<0.02	1.1	2.85	0.1
1904036	Rock	<0.001	<0.5	1465.0	15.86	34.1	<0.001	<1	0.50	0.003	<0.01	0.3	8.7	<0.02	<0.02	13	<0.1	<0.02	1.0	2.83	0.1
1904037	Rock	<0.001	<0.5	1108.7	13.39	10.7	<0.001	<1	0.47	<0.001	<0.01	<0.1	9.1	<0.02	<0.02	<5	<0.1	<0.02	1.0	0.81	0.2
1904038	Rock	<0.001	<0.5	1405.5	13.03	19.2	<0.001	<1	0.56	<0.001	<0.01	<0.1	10.2	<0.02	<0.02	9	<0.1	<0.02	1.0	1.28	0.2
1904039	Rock	<0.001	<0.5	882.1	13.28	14.9	<0.001	<1	0.39	<0.001	<0.01	<0.1	7.9	<0.02	<0.02	5	<0.1	<0.02	0.8	0.80	0.1
1904040	Rock	<0.001	<0.5	389.9	17.53	45.5	<0.001	<1	0.11	0.002	<0.01	0.7	3.1	<0.02	<0.02	28	1.0	<0.02	0.3	2.56	0.1
1904041	Rock	0.002	<0.5	218.6	13.43	65.6	<0.001	<1	0.07	0.002	<0.01	1.1	2.2	<0.02	<0.02	15	0.6	<0.02	0.2	2.25	<0.1
1904042	Rock	<0.001	<0.5	118.9	16.04	112.3	<0.001	<1	0.08	0.002	<0.01	0.9	2.3	<0.02	<0.02	148	0.3	<0.02	0.3	2.47	0.1
1904043	Rock	0.001	2.9	26.8	0.25	51.6	0.001	<1	0.11	0.023	<0.01	<0.1	2.0	<0.02	<0.02	7	<0.1	<0.02	0.6	0.74	<0.1
1904044	Rock	<0.001	0.6	802.3	14.75	84.2	<0.001	<1	0.14	0.003	<0.01	0.4	4.1	<0.02	<0.02	35	1.0	<0.02	0.7	4.50	<0.1
1904045	Rock	<0.001	<0.5	806.9	15.51	17.1	<0.001	<1	0.52	<0.001	<0.01	<0.1	7.7	<0.02	<0.02	6	<0.1	<0.02	1.2	0.88	0.1



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Project: JA
Report Date: September 14, 2020

Page: 3 of 3 Part: 3 of 3

CERTIFICATE OF ANALYSIS **WHI20000056.1**

Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
1904033	Rock	0.14	<0.02	7.3	0.1	<0.05	5.9	1.38	16.7	<0.02	<1	<0.1	0.9	<10	<2
1904034	Rock	0.04	<0.02	1.4	0.1	<0.05	1.7	5.68	3.1	<0.02	<1	<0.1	0.9	10	<2
1904035	Rock	<0.02	<0.02	0.9	<0.1	<0.05	1.0	0.87	0.3	<0.02	<1	0.1	4.2	<10	5
1904036	Rock	0.04	<0.02	0.8	0.7	<0.05	1.2	1.02	0.3	<0.02	<1	0.2	3.6	<10	<2
1904037	Rock	<0.02	<0.02	0.2	<0.1	<0.05	1.0	0.81	0.2	<0.02	<1	<0.1	2.7	<10	3
1904038	Rock	<0.02	<0.02	0.3	<0.1	<0.05	1.4	0.90	0.2	<0.02	1	0.2	3.9	<10	3
1904039	Rock	<0.02	<0.02	0.2	<0.1	<0.05	0.9	0.84	0.2	<0.02	<1	0.2	1.9	<10	<2
1904040	Rock	<0.02	<0.02	0.6	<0.1	<0.05	0.9	0.81	0.5	<0.02	<1	<0.1	1.6	<10	2
1904041	Rock	<0.02	<0.02	0.5	<0.1	<0.05	1.0	0.61	0.5	<0.02	<1	0.2	1.3	<10	<2
1904042	Rock	0.03	<0.02	0.7	<0.1	<0.05	2.5	0.95	0.7	<0.02	<1	0.3	1.8	<10	<2
1904043	Rock	<0.02	<0.02	0.6	<0.1	<0.05	0.7	0.81	7.6	<0.02	<1	<0.1	1.8	<10	<2
1904044	Rock	0.03	<0.02	0.9	<0.1	<0.05	2.0	1.76	1.4	<0.02	<1	0.1	1.4	<10	4
1904045	Rock	<0.02	<0.02	0.3	<0.1	<0.05	0.8	1.37	0.3	<0.02	<1	<0.1	2.5	<10	3



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Method	WGHT	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	
Pulp Duplicates																					
1904019	Rock	0.34	0.51	14.16	3.39	11.9	144	1.8	0.2	21	0.57	16.2	0.2	2.4	0.7	20.3	0.01	4.18	<0.02	9	0.01
REP 1904019	QC	0.48	14.43	53.84	12.0	148	1.8	0.2	22	0.57	16.3	0.2	3.0	0.8	20.1	0.02	4.08	<0.02	10	0.01	
1904039	Rock	0.35	<0.01	7.31	2.46	13.5	46	958.7	57.4	809	3.33	49.3	0.4	<0.2	<0.1	16.5	0.02	0.36	<0.02	23	0.37
REP 1904039	QC	0.02	7.69	2.41	14.4	52	959.0	56.7	821	3.33	49.4	0.4	<0.2	<0.1	15.9	0.03	0.46	<0.02	23	0.37	
Core Reject Duplicates																					
1904025	Rock	0.79	0.51	26.70	4.78	69.2	178	16.6	2.9	276	1.14	2.7	0.3	0.2	1.9	27.4	0.39	0.94	0.10	6	0.31
DUP 1904025	QC	0.49	25.96	4.89	70.9	181	16.0	3.0	273	1.16	3.0	0.3	0.6	1.7	25.4	0.33	1.02	0.09	5	0.29	
Reference Materials																					
STD BVGE001	Standard	10.73	4301.63	183.97	1670.6	2567	158.7	24.6	733	3.62	117.5	3.7	229.2	14.0	61.6	6.37	3.53	26.03	73	1.35	
STD DS11	Standard	15.54	143.78	137.52	342.0	1782	81.7	13.8	1050	3.13	42.0	2.6	87.9	7.9	68.9	2.29	7.84	11.24	49	1.08	
STD OREAS262	Standard	0.66	109.24	53.84	146.0	452	62.8	27.1	547	3.21	34.7	1.1	61.6	8.9	35.1	0.60	4.93	1.05	23	2.98	
STD OREAS262	Standard	0.64	109.81	55.16	145.0	451	65.6	27.6	537	3.22	33.9	1.2	60.5	8.9	34.2	0.58	4.74	0.92	22	2.99	
STD BVGE001 Expected		11.2	4415	187	1741	2530	163	25	733	3.7	121	3.77	219	14.4	55	6.5	3.39	25.6	73	1.3219	
STD DS11 Expected		14.6	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.85	67.3	2.37	8.74	12.2	50	1.063	
STD OREAS262 Expected		0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	5.06	1.03	22.5	2.98	
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	0.3	0.1	1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	0.2	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	
Prep Wash																					
ROCK-WHI	Prep Blank	0.95	3.91	11.67	40.9	83	1.4	3.7	484	1.74	1.5	0.5	0.7	2.3	26.3	0.09	0.53	<0.02	23	0.74	
ROCK-WHI	Prep Blank	0.99	5.91	5.26	37.5	38	1.5	4.0	512	1.89	1.0	0.4	0.5	2.1	26.6	0.04	0.25	<0.02	26	0.88	



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Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
Pulp Duplicates																					
1904019	Rock	0.008	2.1	4.7	<0.01	83.6	0.001	<1	0.08	<0.001	0.02	<0.1	0.4	0.33	<0.02	36	0.2	<0.02	0.3	0.15	<0.1
REP 1904019	QC	0.009	2.2	4.8	<0.01	85.2	0.001	1	0.08	<0.001	0.02	<0.1	0.4	0.32	<0.02	38	0.2	<0.02	0.3	0.15	<0.1
1904039	Rock	<0.001	<0.5	882.1	13.28	14.9	<0.001	<1	0.39	<0.001	<0.01	<0.1	7.9	<0.02	<0.02	5	<0.1	<0.02	0.8	0.80	0.1
REP 1904039	QC	<0.001	<0.5	891.4	13.55	15.2	<0.001	<1	0.39	<0.001	<0.01	<0.1	7.8	<0.02	<0.02	<5	<0.1	<0.02	0.8	0.81	0.1
Core Reject Duplicates																					
1904025	Rock	0.015	6.2	5.1	0.10	319.2	0.001	2	0.21	0.002	0.11	<0.1	0.8	0.05	0.20	6	1.2	0.02	0.9	0.38	<0.1
DUP 1904025	QC	0.013	5.8	5.4	0.09	304.1	0.001	1	0.20	0.002	0.10	<0.1	0.8	0.05	0.20	15	1.3	<0.02	0.8	0.36	<0.1
Reference Materials																					
STD BVGE001	Standard	0.071	26.8	207.8	1.30	303.4	0.244	4	2.37	0.204	0.88	5.0	6.5	0.62	0.66	118	4.3	1.00	7.3	7.43	0.2
STD DS11	Standard	0.067	18.4	62.0	0.86	370.4	0.101	6	1.20	0.079	0.41	2.8	3.5	4.72	0.28	274	1.9	4.47	5.3	2.82	<0.1
STD OREAS262	Standard	0.038	16.8	44.6	1.18	253.8	0.003	4	1.39	0.068	0.33	0.2	3.4	0.44	0.26	145	0.2	0.19	4.0	2.68	<0.1
STD OREAS262	Standard	0.038	16.6	44.0	1.16	240.8	0.003	4	1.33	0.068	0.32	0.2	3.4	0.44	0.26	156	0.3	0.20	3.9	2.63	<0.1
STD BVGE001 Expected		0.0727	25.9	187	1.2963	260	0.233	3.8	2.347	0.1924	0.89	5.3	5.97	0.62	0.6655	100	4.84	1.02	7.37	7.36	0.15
STD DS11 Expected		0.0701	18.6	61.5	0.85	385	0.0976	1.1795	0.0762	0.4	2.9	3.4	4.9	0.2835	260	2.2	4.56	5.1	2.88	0.08	
STD OREAS262 Expected		0.04	15.9	41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	3.24	0.47	0.253	170	0.4	0.23	4.1	2.8	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
ROCK-WHI	Prep Blank	0.041	6.8	4.3	0.47	66.2	0.078	1	1.02	0.163	0.14	0.1	4.0	<0.02	0.04	<5	<0.1	<0.02	4.0	0.18	0.1
ROCK-WHI	Prep Blank	0.042	6.6	4.5	0.51	64.0	0.079	2	1.01	0.137	0.12	<0.1	4.0	<0.02	0.03	<5	<0.1	<0.02	3.9	0.18	0.1



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Method Analyte Unit MDL	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
Pulp Duplicates															
1904019	Rock	0.07	<0.02	0.9	0.2	<0.05	2.8	0.26	4.1	<0.02	<1	<0.1	0.4	<10	<2
REP 1904019	QC	0.06	<0.02	0.9	0.1	<0.05	2.9	0.24	4.3	<0.02	<1	<0.1	0.3	<10	<2
1904039	Rock	<0.02	<0.02	0.2	<0.1	<0.05	0.9	0.84	0.2	<0.02	<1	0.2	1.9	<10	<2
REP 1904039	QC	<0.02	<0.02	0.2	<0.1	<0.05	0.9	0.86	0.2	<0.02	<1	0.2	2.1	<10	5
Core Reject Duplicates															
1904025	Rock	0.11	<0.02	5.4	<0.1	<0.05	3.7	1.96	13.2	<0.02	<1	<0.1	2.3	<10	<2
DUP 1904025	QC	0.10	<0.02	5.3	<0.1	<0.05	3.8	1.95	12.4	<0.02	1	0.1	2.3	<10	<2
Reference Materials															
STD BVGE001	Standard	0.33	0.31	91.6	5.9	<0.05	8.9	14.50	56.3	0.46	6	0.6	22.0	138	203
STD DS11	Standard	0.08	1.59	33.0	1.8	<0.05	3.1	8.11	38.5	0.24	42	0.8	23.0	111	167
STD OREAS262	Standard	0.27	<0.02	18.2	0.5	<0.05	9.8	10.53	35.6	0.03	2	1.2	17.7	<10	<2
STD OREAS262	Standard	0.23	<0.02	17.6	0.5	<0.05	9.6	10.10	33.8	0.04	2	1.1	18.3	<10	2
STD BVGE001 Expected		0.32	0.3	95	5.64		9.1	14.5	53	0.47	4	0.69	21.4	134	182
STD DS11 Expected		0.06	1.53	33.6	1.8		3.1	7.82	37	0.24	50	0.67	23.3	100	172
STD OREAS262 Expected		0.27		18.6	0.5		11.7	11.2	32	0.033		1.14	17.8		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash															
ROCK-WHI	Prep Blank	0.18	0.26	2.9	0.6	<0.05	3.5	9.50	14.0	<0.02	<1	0.1	1.7	<10	<2
ROCK-WHI	Prep Blank	0.16	0.23	2.8	0.4	<0.05	3.9	9.62	13.9	<0.02	<1	0.1	1.5	43	<2